

CLAIMS

1. Oil film bearing (1) for roll necks (4), which is surrounded or whose neck bush (3) mounted thereon is surrounded by a bearing bush (5) mounted in a chock (2), wherein the bearing bush (5) has at least two internal hydrostatic pockets (9, 9'), which are arranged essentially on a common axial line and can be supplied with a pressure medium via a check valve (18) and via bores (6, 6') that run inside the bearing bush (5), and wherein throttles (15, 15') in the bores (6, 6') ensure an optimum hydrostatic bearing, even when the roll neck (4) or the neck bush (3) is in a skewed position in the bearing bush (5), characterized by the fact that the two or more bores (6, 6') are connected with a connection block (12), that the throttles (15, 15') are accommodated inside the connection block (12), and that the check valve (18) is assigned to the connection block (12).

2. Oil film bearing in accordance with Claim 1, characterized by the fact that the connection block (12) is mounted on the chock (2) in such a way that it is freely accessible.

3. Oil film bearing in accordance with Claim 1 or Claim 2, characterized by the fact that the bores (6, 6') and the connection block (12) are provided with high-pressure connections (10, 10'; 13, 13') and that the high-pressure connections (10, 10') of the bores (6, 6') are connected with the high-pressure connections (13, 13') of the connection block (12) by rigid lines (11, 11').

4. Oil film bearing in accordance with Claim 3, characterized by the fact that the lines (11, 11') consist of tubes that withstand pressures above 2,000 bars and are elastically deformable to compensate possible relative movement between the bearing bush (5) and the chock (2).

5. Oil film bearing in accordance with any of Claims 1 to 4, characterized by the fact that the check valve (18) and/or the throttles (15, 15') are replaceably assigned to the connection block (12).

6. Oil film bearing in accordance with any of Claims 1 to 5, characterized by the fact that a bearing bush (5) without a shoulder is used.